

Abstract

An apparatus for validating the presence of an authorized accessory of the apparatus includes an
5 integrated circuit which stores a secret key K , is configured to define a random number
generator which returns R and is configured to apply a function $F[R]$ to return $F_K[R]$, based on
the secret key K . The apparatus includes a control system which is configured to request $F_K[R]$
from the integrated circuit and from a further integrated circuit positioned on the accessory and
to compare $F_K[R]$ from both the integrated circuits.

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